



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DECEMBER 19, 2000

PTAS

LAW OFFICES OF MICHAEL DRYJA  
MICHAEL DRYJA  
704 228TH AVE NE PMB 694  
REDMOND, WA 98053



\*101498717A\*

RECEIVED

AUG 31 2004

Technology Center 2100

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/30/2000

REEL/FRAME: 011175/0706  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BRADLEY, PAUL S.

DOC DATE: 08/11/2000

ASSIGNOR:

FAYYAD, USAMA M.

DOC DATE: 08/11/2000

ASSIGNOR:

OJJEH, BASSEL Y.

DOC DATE: 08/11/2000

ASSIGNEE:

MICROSOFT CORPORATION  
ONE MICROSOFT WAY  
REDMOND, WASHINGTON 98052

25-APP

ACCT# 141503.1  
APPLICATION

SERIAL NUMBER: 09540637

FILING DATE: 03/31/2000

PATENT NUMBER:

ISSUE DATE:

RECEIVED

Microsoft Patent Dept.

DEC 29 2000

JAN 03 2001

① PD ND By: TN



011175/0706 PAGE 2

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

**This Page Blank (uspto)**

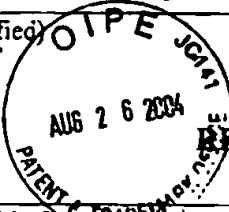
10-30-2000

Docket No. 1018.085US1

Form PTO-1595 (Modified)

(Rev. 6-93)

OMB 0651-0011 (exp. 4/94)



101498717

U.S. Department of Commerce  
Patent and Trademark Office  
PATENTRECORDATION FORM COVER SHEET  
PATENTS ONLY

TO: The Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

## 1. Name of conveying party(ies):

Paul S. Bradley  
Usama M. Fayyad  
Bassel Y. Ojeh

8-30-00

## 2. Nature of Conveyance:

- ☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other

Execution Date: 8/11/2000

## 3. Name and address of receiving party(ies):

Name: Microsoft Corporation  
Address: One Microsoft Way  
City: Redmond State: WA  
Country: USA ZIP: 98052

RECEIVED

AUG 30 2004

RECEIVED

## 4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: AUG 31 2004

Patent Application No.

09/540,637

Patent No.(s)

Technology Center 2100

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael Dryja  
Registration No.: 39,662  
Address: Law Offices of Michael Dryja  
704 228th Ave NE PMB 694  
City: Redmond State: WA  
Country: USA ZIP: 98053  
Telephone: 425-427-5094

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to credit card as indicated by attached Form 2038.

## 8. Deposit account number:

10/27/2000 DRYJA 00000000 09540637

FC1581

40.00 OP

DO NOT USE THIS SPACE

## 9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael Dryja

Name of Person Signing

Signature

Date

8-24-00

# ASSIGNMENT

WHEREAS, we, Paul S. Bradley, Usama M. Fayyad, and Bassel Y. Ojeh (hereinafter referred to as ASSIGNORS), are the joint inventors of an invention entitled Cluster- and Descriptor-Based Recommendations as described and claimed in the specification forming part of an application for United States letters patent filed on 3/31/2000, and assigned Serial No. 09/540,637;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

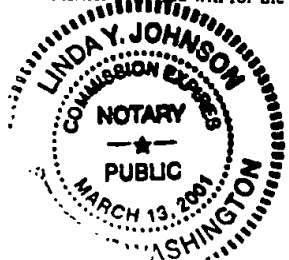
IN WITNESS WHEREOF, We have hereunto signed our names on the day and year set forth below.

PLS. Bradley  
 Inventor's Signature  
Paul S. Bradley  
 Inventor's Printed Name

4/26/2000  
 DATE

STATE OF Washington )  
 ) SS  
 COUNTY OF King )

On this 26 day of April, 2000, before me personally came the above named Paul S. Bradley who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

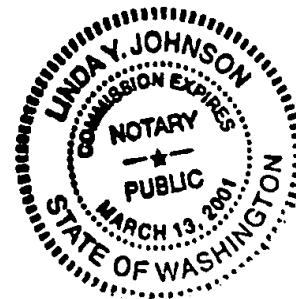


Linda Y. Johnson  
 NOTARY PUBLIC  
 My Commission Expires: 3-13-2001

U. M. Fayyad  
Inventor's Signature

6/9/2000  
DATE

Usama M. Fayyad  
Inventor's Printed Name



STATE OF Washington )  
COUNTY OF King ) SS

On this 9 day of June, 2000, before me personally came the above named Usama M. Fayyad who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Linda Y. Johnson  
NOTARY PUBLIC  
My Commission Expires: 3-13-2001

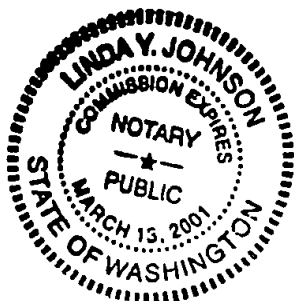
Bassel Y. Ojeh  
Inventor's Signature

8/11/00  
DATE

Bassel Y. Ojeh  
Inventor's Printed Name

STATE OF Washington )  
COUNTY OF King ) SS

On this 11 day of August, 2000, before me personally came the above named Bassel Y. Ojeh who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Linda Y. Johnson  
NOTARY PUBLIC  
My Commission Expires: 3-13-2001



CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

- ☒ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450
- ☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) \_\_\_\_\_.

8/26/2004

Date

  
Signature

Courtney Scanlon

Type or Print Name